

an amplifier constructed to pass the signals from the electrode without loss in signal strength and without any change in signal characteristics.

Claim 36 (New):

In a combination as set forth in claim 35,
a circuit connected to the amplifier to eliminate noise in the signals from the amplifier.

Claim 37 (New):

In a combination as set forth in claim 36 wherein
the circuit operates as a low pass filter to eliminate noise.

Claim 38 (New):

In combination for providing at selective positions on a patient's skin signals representing the patient's parameters at these positions,
a pair of electrodes constructed to be attached to the patient's skin at a spaced pair of selective positions to provide signals indicative of the parameters at the spaced pair of the selective positions, and
a pair of amplifiers each constructed to be connected to an individual one of the electrodes to pass signals from the individual one of the electrodes to provide output signals representing the difference between the signals on the electrodes without loss in

the strength of the signals on the electrodes and without changes in the characteristics of the differences of the signals between the electrodes.

Claim 39 (New):

In a combination as set forth in claim 38,

A differential circuit connected to the amplifiers to eliminate noise in the output signals representing the difference between the signals on the electrodes.

Claim 40 (New):

In a combination as set forth in claim 39 wherein

the differential circuit operates as a low pass filter to eliminate noise.